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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/550,865	09/26/2005	Mitsuharu Akiyama	14434.0082USWO	3391
5283S 7590 12/11/2008 HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902			EXAMINER	
			GRAY, JILL M	
			ART UNIT	PAPER NUMBER
			MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/550.865 AKIYAMA ET AL. Office Action Summary Examiner Art Unit Jill Grav 1794 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 23 July 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-11 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Response to Amendment

The rejection of claims 1-11 under 35 U.S.C. 103(a) as being unpatentable over CA 2,474,651 in view of JP19810137729 (the abstract) is withdrawn in view of applicants' arguments.

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

 Claims 1 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Honda, deceased et al., 4,677,818 (Honda).

Applicants' preamble language of "reinforcing cord for rubber reinforcement" has been considered but is not found to be a limiting but rather setting forth the intended use of the invention. Honda discloses a composite rope comprising a reinforcing fiber core that is coated with around the outer periphery with fibers. The core can be carbon fiber and the outer periphery fibers can be glass fibers. In addition, Honda teaches that the fibers can be twisted. See entire document, and for example, abstract, column 2, lines 40-57, Examples, claims 3 and 11.

Therefore, the teachings of Honda anticipate the invention as claimed in present claims 1 and 7

Claim Rejections - 35 USC § 103

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 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be needlived by the manner in which the invention was made.
- Claims 2-6, and 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Honda, deceased et al., 4,677,818 (Honda), as applied above to claims 1 and 7.

Honda is as set forth above but does not specifically teach that the surface is covered in rubber and a rubber product. In this regard, Honda teaches that the reinforcing fibers are impregnated with a resin which can be an epoxy. It is the examiner's position that term "rubber" is broad and would encompass some epoxies. Hence, Honda renders obvious the limitations of instant claims 9-10. Regarding claims 2 and 11, the percentage of carbon fibers and ratio of the reinforcing cord, one of ordinary skill in this art would have been capable of determining this amount during routine experimentation, and even a presumption of 50/50, which would have been expected, would have satisfied the instant range requirements. Regarding claims 3, Honda teaches that the filaments can be stranded parallel or twisted which meets the requirements of instant claim 3. As to claims 5-6 and 8, it would have been obvious to the skilled artisan to determine the specific twist number during routine experimentation commensurate with the desired end properties, for example flexibility and fatigue in composite articles.

Hence, the teachings of Honda would have rendered obvious the invention as claimed in present claims 2-6. and 8-11. Application/Control Number: 10/550,865

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No claims are allowed.

Response to Arguments

 Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jill Gray whose telephone number is 571-272-1524.

The examiner can normally be reached on M-Th and alternate Fridays 8:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton I. Cano can be reached on 571-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jill Gray Primary Examiner Art Unit 1794 Application/Control Number: 10/550,865

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